

# ABSTRACT

The object is to provide a method and an apparatus for decomposing halogenated hydrocarbon gas economically and stable without relying on any special treatment and without generating dioxins. A catalyst to decompose halogenated hydrocarbon gas, 4, is supported on a carrier 3. A target gas, which contains the halogenated hydrocarbon gas, is passed through the carrier 3, while heating the carrier 3 using an electromagnetic induction heating mechanism 5, 6.

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